



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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| <b>(51) International Patent Classification 7 :</b><br><b>A61K 31/165, 31/44, 31/55, 31/565,</b><br><b>31/57, A61P 25/20, 33/10</b>  | <b>A1</b> | <b>(11) International Publication Number:</b> <b>WO 00/54766</b><br><b>(43) International Publication Date:</b> 21 September 2000 (21.09.00)  |
| <b>(21) International Application Number:</b> PCT/NZ00/00026<br><b>(22) International Filing Date:</b> 13 March 2000 (13.03.00)<br><b>(30) Priority Data:</b><br>334627 12 March 1999 (12.03.99) NZ<br><b>(71) Applicant (for all designated States except US):</b> THE HORTICULTURE AND FOOD RESEARCH INSTITUTE OF NEW ZEALAND LIMITED [NZ/NZ]; Corporate Office, Private Bag 11030, Palmerston North (NZ).<br><b>(72) Inventor; and</b><br><b>(75) Inventor/Applicant (for US only):</b> COOK, Christian, John [NZ/NZ]; 70 Nevada Road, Hamilton (NZ).<br><b>(74) Agents:</b> CALHOUN, Douglas, C. et al.; A J Park & Son, Huddart Parker Building, 6th floor, Post Office Square, P.O. Box 949, Wellington 6015 (NZ). |           | <b>(81) Designated States:</b> AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).<br><br><b>Published</b><br><i>With international search report.</i> |
| <b>(54) Title:</b> AGENTS AND METHODS FOR PROMOTING PRODUCTION GAINS IN ANIMALS<br><br><b>(57) Abstract</b><br><br><p>The invention relates to compositions and methods for promoting production gains in animals, and for enhancing the efficacy of therapeutic agents. The gains are achieved through reduction in stress, including through the use of antistress agents. Compositions comprising therapeutic agents such as anthelmintics, and antistress agents are provided.</p>   |           |   |

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**Abstract**

A3 The invention relates to compositions and methods for promoting production gains in animals, and for enhancing the efficacy of therapeutic agents. The gains are achieved through reduction in stress, including through the use of antistress agents. Compositions comprising therapeutic agents such as anthelmintics, and antistress agents are provided.

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